



RACT00200 2nd Amd Seq Listing.WorkFile

Organization Applicant

Street :  
City :  
State :  
Country :  
PostalCode :  
PhoneNumber :  
FaxNumber :  
EmailAddress :

<110> OrganizationName : Reactive Surfaces, Ltd.

Application Project

<120> Title : Recombinant Organophosphorus Acid Anhydrase and Methods of Use  
<130> AppFileReference : RACT-00200  
<140> CurrentAppNumber : Unknown  
<141> CurrentFilingDate : 2003-01-02

Earlier Applications

<150> PriorAppNumber : 07/928,540  
<151> PriorFilingDate : 1992-08-13

Earlier Applications

<150> PriorAppNumber : 08/252,384  
<151> PriorFilingDate : 1994-06-01

Earlier Applications

<150> PriorAppNumber : 07/344,258  
<151> PriorFilingDate : 1989-04-27

Sequence

<213> OrganismName : Pseudomonas diminuta  
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tggccagagt tcttcggtag ccgcaaagct ctacggaagaggctgtgag aggattgcgc 180  
cgcgccagag cggctggcgt gcgaacgatt gtcgatgtgt cgactttcga tatcggtcgc 240  
gacgtcagtt tattggccga ggtttcgcgg gctgccgacg ttcatatcgt ggcggcgacc 300  
ggcttggtgtg tgcacccgcc actttcgatg cgattgagga gtgtagagga actcacacag 360  
ttcttcctgc gtgagattca atatggcatc gaagacaccg gaattagggc gggcattatc 420  
aaggctcgcga ccacaggcaa ggcgaccccc tttcaggagt tagtggttaa ggcggccgcc 480  
cgggccagct tggccaccgg tggtccggt accactcaca cggcagcaag tcagcgcgat 540  
ggtgagcagc aggccgccat ttttgagtcc gaaggcttga gcccctcacg ggtttgatt 600  
ggtcacagcg atgatactga cgatttgagc tatctcaccg ccctcgctgc gcgcggatac 660  
ctcatcggtc tagaccacat cccgcacagt gcgattggtc tagaagataa tgcgagtga 720  
tcagccctcc tgggcatccg ttcgtggcaa acacgggctc tcttgatcaa ggcgctcatc 780

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gaccaaggct acatgaaaca aatcctcggt tcgaatgact ggctgttcgg gttttcgagc	840
tatgtcacca acatcatgga cgtgatggat cgcgtgaacc ccgacgggat ggccttcatt	900
ccactgagag tgatcccatt cgtacgagag aagggcggtcc cacaggaaac gctggcaggc	960
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<212> Type : DNA

<211> Length : 1014

SequenceName : RACT00200 Amd Seq

SequenceDescription :

Feature

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Sequence: RACT00200 Amd Seq:

<221> FeatureKey : CDS

<222> LocationFrom : 1

<222> LocationTo : 1011

Other Information :

CDSJoin : No



RACT00200 Sequence Listing  
SEQUENCE LISTING

<110> Reactive Surfaces  
McDaniel, C. Steven

<120> Recombinant Organophosphorus Acid Anhydrase and Methods of Use

<130> RACT-00200

<140> Unknown

<141> 2002-12-23

<150> 07/928,540

<151> 1992-08-13

<150> 08/252,384

<151> 1994-06-01

<150> 07/344,258

<151> 1989-04-27

<160> 1

<170> PatentIn version 3.2

<210> 1

<211> 337

<212> PRT

<213> Pseudomonas aeruginosa

<400> 1

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35 40 45

Lys Ala Leu Ala Glu Lys Ala Val Arg Gly Leu Arg Arg Ala Arg Ala  
50 55 60

Ala Gly Val Arg Thr Ile Val Asp Val Ser Thr Phe Asp Ile Gly Arg  
65 70 75 80

Asp Val Ser Leu Leu Ala Glu Val Ser Arg Ala Ala Asp Val His Ile  
85 90 95

Val Ala Ala Thr Gly Leu Trp Phe Asp Pro Pro Leu Ser Met Arg Leu  
100 105 110

Arg Ser Val Glu Glu Leu Thr Gln Phe Phe Leu Arg Glu Ile Gln Tyr  
115 120 125

# RACT00200 Sequence Listing

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 Thr Gly Lys Ala Thr Pro Phe Gln Glu Leu Val Leu Lys Ala Ala Ala  
 145 150 155 160  
 Arg Ala Ser Leu Ala Thr Gly Val Pro Val Thr Thr His Thr Ala Ala  
 165 170 175  
 Ser Gln Arg Asp Gly Glu Gln Gln Ala Ala Ile Phe Glu Ser Glu Gly  
 180 185 190  
 Leu Ser Pro Ser Arg Val Cys Ile Gly His Ser Asp Asp Thr Asp Asp  
 195 200 205  
 Leu Ser Tyr Leu Thr Ala Leu Ala Ala Arg Gly Tyr Leu Ile Gly Leu  
 210 215 220  
 Asp His Ile Pro His Ser Ala Ile Gly Leu Glu Asp Asn Ala Ser Ala  
 225 230 235 240  
 Ser Ala Leu Leu Gly Ile Arg Ser Trp Gln Thr Arg Ala Leu Leu Ile  
 245 250 255  
 Lys Ala Leu Ile Asp Gln Gly Tyr Met Lys Gln Ile Leu Val Ser Asn  
 260 265 270  
 Asp Trp Leu Phe Gly Phe Ser Ser Tyr Val Thr Asn Ile Met Asp Val  
 275 280 285  
 Met Asp Arg Val Asn Pro Asp Gly Met Ala Phe Ile Pro Leu Arg Val  
 290 295 300  
 Ile Pro Phe Leu Arg Glu Lys Gly Val Pro Gln Glu Thr Leu Ala Gly  
 305 310 315 320  
 Ile Thr Val Thr Asn Pro Ala Arg Phe Leu Ser Pro Thr Leu Arg Ala  
 325 330 335  
 Ser